



#### ABSTRACT OF THE DISCLOSURE

A network management system is provided in which a transmission band for preceding access is guaranteed even when simultaneous access to shared data is obtained by plural nodes 5 and which does not suffer any problem even in the case of accessing to data that requires real-timeness such as with video data. In order to guarantee an I/O band for a hard disc and a band for the network when simultaneous access by plural nodes to shared data is obtained, an access manager for controlling 10 access bands is provided inside the system, which guarantees a transmission band for preceding access on the occasion of simultaneous access by plural nodes by making mode-of-access judgment, managing the network band and the hard disc I/O transmission band, and judging whether or not to approve the 15 access based on whether or not the bands are saturated.